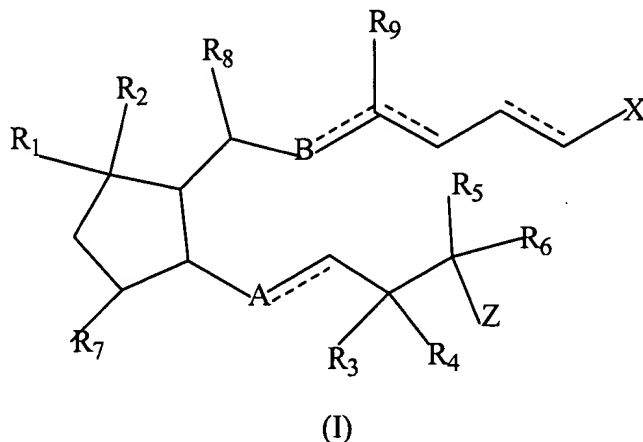


III. Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Canceled)
2. (Currently Amended) A compound of formula (I) or a pharmaceutically acceptable salt thereof, wherein the compound of formula (I) is:



wherein the dotted lines indicate a single or a double bond;

R₁ is -OD₁ or -Cl;

R₂ and R₈ are a hydrogen; or R₁ and R₂ taken together are =CH₂ or =O;

R₃ and R₄ are each independently a hydrogen, -OD₁ or -CH₃;

R₅ and R₆ are each independently a hydrogen, -OD₁, -CH₃, -OCH₃ or -CH=CH₂;

R₇ is a hydrogen or -OD₁;

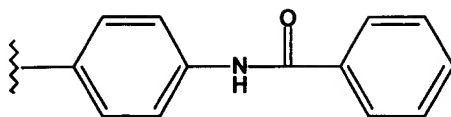
R₉ is hydrogen or absent when the carbon to which it is attached is the central carbon of an allene functionality; or R₈ and R₉ taken together with the chain to which they are attached form a substituted benzene ring with the proviso that R₁ is an oxygen atom which is attached to the carbon atom at the position of the benzene ring defined by B;

A is -CH=, -CH₂-, -S-, or -O-;

B is -CH=, -CH₂-, -S-, or -C(O)-;

X is -CH₂OR₁₁, -C(O)OR₁₁ or -C(O)N(D₁)R₁₂;

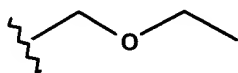
R₁₁ is D₁, a lower alkyl group, or



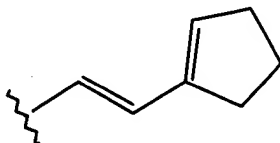
R_{12} is $-\text{S}(\text{O})_2\text{CH}_3$ or $-\text{C}(\text{O})\text{CH}_3$;

Z is (a) an ethyl, (b) a butyl, (c) a hexyl, (d) a benzyl,

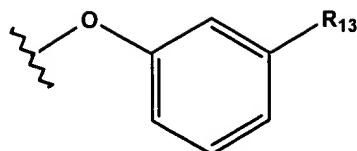
(e)



(f)

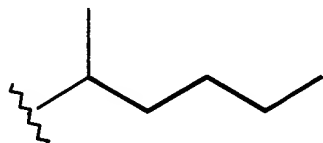


(g)



(h)

or



R_{13} is a hydrogen or $-\text{Cl}$;

D_1 is a hydrogen or D; with the proviso that at least one D_1 in formula (I) must be D;

D is Q or K;

Q is $-\text{NO}$ or $-\text{NO}_2$;

K is $-\text{W}_a-\text{E}_b-(\text{C}(\text{R}_e)(\text{R}_f))_p-\text{E}_c-(\text{C}(\text{R}_e)(\text{R}_f))_x-\text{W}_d-(\text{C}(\text{R}_e)(\text{R}_f))_y-\text{W}_i-\text{E}_j-\text{W}_g-(\text{C}(\text{R}_e)(\text{R}_f))_z-\text{T}-\text{Q}$;

~~with the proviso that when X is $-\text{C}(\text{O})\text{OD}_1$ and D_1 is K, then K is not an alkyl, branched alkyl or cycloalkyl mononitrate; a benzoic acid substituted benzyloxy mononitrate; the regioisomeric esters of glycerol dinitrate and oligomers thereof;~~

a, b, c, d, g, i and j are each independently an integer from 0 to 3;

p, x, y and z are each independently an integer from 0 to 10;

W at each occurrence is independently $-\text{C}(\text{O})-$, $-\text{C}(\text{S})-$, $-\text{T}-$, $-(\text{C}(\text{R}_e)(\text{R}_f))_h-$, an alkyl group, an aryl group, a heterocyclic ring, an arylheterocyclic ring, or $-(\text{CH}_2\text{CH}_2\text{O})_q-$;

E at each occurrence is independently $-\text{T}-$, an alkyl group, an aryl group, $-(\text{C}(\text{R}_e)(\text{R}_f))_h-$, a heterocyclic ring, an arylheterocyclic ring, or $-(\text{CH}_2\text{CH}_2\text{O})_q-$;

h is an integer form 1 to 10;

q is an integer from 1 to 5;

R_e and R_f are each independently a hydrogen, an alkyl, a cycloalkoxy, a halogen, a hydroxy, an hydroxyalkyl, an alkoxyalkyl, an arylheterocyclic ring, an alkylaryl, a cycloalkylalkyl, a heterocyclicalkyl, an alkoxy, a haloalkoxy, an amino, an alkylamino, a dialkylamino, an arylamino, a diarylamino, an alkylaryl amino, an alkoxyhaloalkyl, a haloalkoxy, a sulfonic acid, a sulfonic ester, an alkylsulfonic acid, an arylsulfonic acid, an arylalkoxy, an alkylthio, an arylthio, a cycloalkylthio, a cycloalkenyl, a cyano, an aminoalkyl, an aminoaryl, an aryl, an arylalkyl, an alkylaryl, a carboxamido, a alkylcarboxamido, an arylcarboxamido, an amidyl, a carboxyl, a carbamoyl, a carbamate, an alkylcarboxylic acid, an arylcarboxylic acid, an alkylcarbonyl, an arylcarbonyl, an ester, a carboxylic ester, an alkylcarboxylic ester, an arylcarboxylic ester, a haloalkoxy, a sulfonamido, an alkylsulfonamido, an arylsulfonamido, a sulfonic ester, a urea, a phosphoryl, a nitro, -T-Q, or R_e and R_f are $-(C(R_e)(R_f))_k-T-Q$, wherein R_e and R_f are as defined herein, or R_e and R_f taken together with the carbons to which they are attached form a carbonyl, a methanthial, a heterocyclic ring, a cycloalkyl group or a bridged cycloalkyl group;

k is an integer from 1 to 3;

T at each occurrence is independently a covalent bond, a carbonyl, an oxygen, $-S(O)_o-$ or $-N(R_a)R_i-$;

o is an integer from 0 to 2;

R_a is a lone pair of electrons, a hydrogen or an alkyl group;

R_i is a hydrogen, an alkyl, an aryl, an alkylcarboxylic acid, an arylcarboxylic acid, an alkylcarboxylic ester, an arylcarboxylic ester, an alkylcarboxamido, an arylcarboxamido, an alkylaryl, an alkylsulfinyl, an alkylsulfonyl, an arylsulfinyl, an arylsulfonyl, a sulfonamido, a carboxamido, a carboxylic ester, an amino alkyl, an amino aryl, $-CH_2-C(T-Q)(R_e)(R_f)$, or $-(N_2O_2)^- \cdot M^+$, wherein M^+ is an organic or inorganic cation; with the proviso that when R_i is $-CH_2-C(T-Q)(R_e)(R_f)$ or $-(N_2O_2)^- \cdot M^+$, or R_e or R_f are T-Q or R_e and R_f are $-(C(R_e)(R_f))_k-T-Q$, wherein R_e and R_f are as defined herein, then the "-T- Q" subgroup can be a hydrogen, an alkyl, an alkoxy, an alkoxyalkyl, an aminoalkyl, a hydroxy, a heterocyclic ring or an aryl group;

with the proviso that the compound of formula (I) has at least one NO group or at least three NO₂ groups linked through an oxygen atom, a nitrogen atom or a sulfur atom.

3. (Currently amended) The compound of claim 2, wherein the compound of formula (I) is a nitrosated arbaprostil, a nitrosylated arbaprostil, a nitrosated and nitrosylated arbaprostil, a nitrosated alprostadil, a nitrosylated alprostadil, a nitrosated and nitrosylated alprostadil, a nitrosated carboprost, a nitrosylated carboprost, a nitrosated and nitrosylated carboprost, a nitrosated cloprostenol, a nitrosylated cloprostenol, a nitrosated and nitrosylated cloprostenol, a nitrosated dimoxaprost, a nitrosylated dimoxaprost, a nitrosated and nitrosylated dimoxaprost, a nitrosated enprostil, a nitrosylated enprostil, a nitrosated and nitrosylated enprostil, a nitrosated enisoprost, a nitrosylated enisoprost, a nitrosated and nitrosylated enisoprost, a nitrosated fenprostalene, a nitrosylated fenprostalene, a nitrosated and nitrosylated fenprostalene, a nitrosated gemeprost, a nitrosylated gemeprost, a nitrosated and nitrosylated gemeprost, a nitrosated latanoprost, a nitrosylated latanoprost, a nitrosated and nitrosylated latanoprost, a nitrosated meteneprost, a nitrosylated meteneprost, a nitrosated and nitrosylated meteneprost, a nitrosated mexiprostil, a nitrosylated mexiprostil, a nitrosated and nitrosylated mexiprostil, a nitrosated misoprostol, a nitrosylated misoprostol, a nitrosated and nitrosylated misoprostol, a nitrosated misoprostol acid, a nitrosylated misoprostol acid, a nitrosated and nitrosylated misoprostol acid, a nitrosated nocloprost, a nitrosylated nocloprost, a nitrosated and nitrosylated nocloprost, a nitrosated ornoprostil, a nitrosylated ornoprostil, a nitrosated and nitrosylated ornoprostil, a nitrosated prostalene, a nitrosylated prostalene, a nitrosated and nitrosylated prostalene, a nitrosated PGE₁, a nitrosylated PGE₁, a nitrosated and nitrosylated PGE₁, a nitrosated PGE₂, a nitrosylated PGE₂, a nitrosated and nitrosylated PGE₂, a nitrosated PGF₁, a nitrosylated PGF₁, a nitrosated and nitrosylated PGF₁, a nitrosated PGF_{2α}, a nitrosylated PGF_{2α}, a nitrosated and nitrosylated PGF_{2α}, a nitrosated rioprostil, a nitrosylated rioprostil, a nitrosated and nitrosylated rioprostil, a nitrosated rosaprostol, a nitrosylated rosaprostol, a nitrosated and nitrosylated rosaprostol, a nitrosated remiprostol, a nitrosylated remiprostol, a nitrosated and nitrosylated remiprostol, a nitrosated sulprostone, a nitrosylated sulprostone, a nitrosated and nitrosylated sulprostone, a nitrosated trimoprostil, a nitrosylated trimoprostil, a nitrosated and nitrosylated trimoprostil, a nitrosated tiiprostanide, a nitrosylated tiiprostanide, a nitrosated and nitrosylated tiiprostanide, a nitrosated unoprostone, or a nitrosylated unoprostone, a nitrosated and nitrosylated unoprostone, ~~or a mixture thereof~~.

4. (Previously Presented) A composition comprising the compound of claim 2 and a pharmaceutically acceptable carrier.

5 -116. (Canceled)

117. (Currently Amended) A nitrosylated arbaprostil, ~~Arbaprostil~~, a nitrosylated alprostadil, a nitrosylated carboprost, a nitrosylated cloprostenol, a nitrosylated dimoxaprost, a nitrosylated enprostil, a nitrosylated enisoprost, a nitrosylated fenprostalene, a nitrosylated gemeprost, a nitrosylated latanoprost, a nitrosylated meteneprost, a nitrosylated mexiprostil, a nitrosylated misoprostol, a nitrosylated misoprostol acid, a nitrosylated nocloprost, a nitrosylated ornoprostil, a nitrosylated prostalene, a nitrosylated PGE₁, a nitrosylated PGE₂, a nitrosylated PGF₁, a nitrosylated PGF_{2α}, a nitrosylated rioprostil, a nitrosylated rosaprostol, a nitrosylated remiprostol, a nitrosylated sulprostone, a nitrosylated trimoprostil, a nitrosylated tiprostanide, a nitrosylated unoprostone, or a pharmaceutically acceptable salt thereof, comprising at least one NO group; wherein the at least one NO group is linked to the arbaprostil, alprostadil, carboprost, cloprostenol, dimoxaprost, enprostil, enisoprost, fenprostalene, gemeprost, latanoprost, meteneprost, mexiprostil, misoprostol, misoprostol acid, nocloprost, ornoprostil, prostalene, PGE₁, PGE₂, PGF₁, PGF_{2α}, rioprostil, rosaprostol, remiprostol, sulprostone, trimoprostil, tiprostanide; or unoprostone, ~~or~~ through an oxygen atom, a nitrogen atom or a sulfur atom.